10. Light travels in straight lines; pin-hole camera, reflection of light from a plane mirror, concave and convex mirrors; refraction of light; the path of a ray of light in a prism. Action of a convex lens, the photographic camera. The microscope and the telescope; elementary notions of the action of the eye. Decomposition of white light by a prism. Colour. (Chapter XII; teacher should supply information regarding action of the eye).

11. Action of lodestone; permanent and temporary magnets; the earth as a magnet; the mariner's compass. (Chapter XIII, paras 1 to 14).

12. Production of electricity by friction; positive and negative electrification, conductors and insulators; electric induction; the electrophorus; the Leyden Jar. (Chapter XIV).

13. The simple voltaic cell; Daniell's Cell; action of a wire carrying a current on a magnetic needle; the simple galvanometer; the heating action of a current; the electric glow lamp; decomposition of water and a solution of copper sulphate by electric current; electric bell and electric telegraphy. (Chapter XIII—Paras 16 to 29 and Paras 34 and 35).

(2) *Chemistry.*

1. Methods of separating constituents of mixtures such as sand and sugar, sulphur and iron filings etc., (Chapter XV). Distinction between mechanical mixtures and chemical compounds. (Chapter XVII—Paras 12 to 19).

2. Action of heat on red oxide of mercury and lead nitrate; action of sodium and potassium on water. Chemical combination illustratrd by the burning of sulphur in air; magnesium burning in air; sulphur combining with iron; quick-lime combining with water. Study of (1) the burning of candle in air, (2) rusting of iron, (3) composition of air. Preparation and properties of oxygen and hydrogen. Analysis and synthesis of water. (Chapters XVI, XVII and XVIII—For action of sodium and potassium on water *vide* Chapter XXIV).

3. Temporary and permanent hardness of water; properties of solution, acids and bases. (Chapter XX—Paras 24 to 26 and Chapter XXIII).

4. Carbon, its occurrence, properties, and importance in natural processes. Carbonic acid gas, its occurrence, preparation and properties, action of green plants and sunlight on carbon dioxide in air; properties of water containing dissolved carbon dioxide. (Chapter XX).

5. Nitrogen and nitric acid, preparation and properties. (Chapter XXII Paras 5, 6 and 7).

6. An elementary study of the preparation and properties of—

(1) Silicon, chlorine, phosphorus, sulphur.

(2) Hydrochloric Acid, Sulphuric acid and Ammonia. (Chapters XIX, XXI and XXII; information regarding Silicon to be supplemented).

7. An experimental study of iron, copper, lead, aluminium, mercury, calcium, zinc and tin. (Chapter XXIV).

K. MATTHAN,
Inspector-General of Education.

FINANCIAL DEPARTMENT.

Requesting a statement of unadjusted advances and unremedied objections to be attached to the report of transfer of charge.

COMPTROLLER'S OFFICE, BANGALORE.

Circular No. 81—G.A.D., *dated 8th January* 1927.

To

All Drawing and Countersigning Officers.

Sir,

I have the honor to state that as per Article 72 (3), Mysore Account Code, Volume I (Article 62 (3) of the revised Mysore Civil Account Code, Volume I) every Officer who is responsible for the adjustment of advances and who is transferred to another office before fully accounting for the amounts outstanding against him should leave a memorandum clearly explaining the state of accounts for the information and guidance of his successor, and attach a statement of unadjusted advances and unremedied objections to the report of transfer of charge. At present such statements are not received from all officers. It is requested that the statement in the prescribed form should be sent invariably along with the charge reports in all cases of transfer. Whenever there is no unadjusted advance, or unremedied objections, *nil* statements should be sent.

2. To enable the officers to furnish such lists, each Head of Office should maintain registers in the enclosed Forms (A) and (B) for all special advances drawn by him and for all the objection slips, retrenchment orders, etc., received by him from the Audit Office and keep them posted up to date.

I have the honor to be,
Sir,
Your most obedient servant
S. SHAMANNA,
Comptroller

FORM A.

Register of Special Advances.

Number and date of order	Purpose for which advance is sanctioned	Amount of advance	How to be adjusted	Period within which the advance should be adjusted	Date on which the advance is drawn	Reference to Cash Book	Amount drawn	Initials of the Officer	Adjustments				Remarks
									Date	How and when adjusted	Amount	Balance remaining unadjusted	

FORM B.

Register of objection slips, retrenchment orders, etc., received from the Audit Office.

Serial No.	Date of receipt	From whom received	Comptroller's Office objection slip		Document to which the objection relates	Nature of objection	Amount objected to	From whom recoverable	Subordinate Officer to whom struck	Number and date of reference	Date of return of the slip by the Subordinate Office	Date of return to the Audit Office	Particulars of reply	Amount recovered	Reference to bills or Treasury Receipts	Remarks
			No.	Date												

MISCELLANEOUS DEPARTMENTS.

GOVERNMENT BOTANIC GARDENS, LAL-BAGH, BANGALORE.

Notice dated 11th January 1927.

Arrangements have been made to import fruit plants such as Apples, Peaches, Grapevines, etc., from Australia. Those who desire to order for plants are requested to apply to the undersigned before the end of February 1927.

E. C. JAVARAYA,
Offg. *Economic Botanist and Superintendent,*
Government Gardens in Mysore.